Amendments to the Specification:

The following amendments to the Specification refer to the English language translation of the international application as filed. A copy of the English language translation of the application as filed is submitted herewith.

Immediately preceding paragraph [0001] on page 1, please insert the following Heading and Subheading:

--BACKGROUND OF THE INVENTION

1. Field of the Invention--

Immediately preceding paragraph [0002] on page 1, please insert the following Subheading:

--2. Description of the Related Art--

Immediately preceding paragraph [0004] on page 2, please insert the following Heading:

-- SUMMARY OF THE INVENTION --

Please delete paragraph [0005] as filed, and insert the following new replacement paragraph [0005]:

[0005]   According to the invention, the above problem is solved, wholly or partially, by a method for optimizing compiler-generated program code intended for a portable data carrier having both a processor core and a first and second memory area, the first memory area being provided to receive the optimized program code, the second memory area being provided to receive a predefined library having a multiplicity of library code fragments, and the compiler-generated program code being searched for program code fragments which correspond, at least in respect of their effect, to respectively one library code fragment, the program code fragments found thereby being replaced by respectively one call of the corresponding library code fragment.

Please insert the following new paragraphs [0005.1], [0005.2], and [0005.3], immediately following new replacement paragraph [0005]:

[0005.1]   Further according to the invention, the above problem is solved, wholly or partially, by a computer program product comprising program instructions for a general-purpose computer which cause the general-purpose computer to optimize compiler-generated program code intended for a portable data carrier having both a processor core and a first and second memory area, the first memory area being provided to receive the optimized program code, the second memory area being provided to receive a predefined library having a multiplicity of library code fragments, and the compiler-generated program code being searched for program code fragments which correspond, at least in respect of their effect, to respectively one library code fragment, the program code fragments found thereby being replaced by respectively one call of the corresponding library code fragment.

[0005.2]   Further according to the invention, the above problem is solved, wholly or partially, by a portable data carrier having a processor core, a first memory area and a second memory area, there being contained in the first memory area optimized program code, and there being contained in the second memory area a library which is predefined independently of the optimized program code and has a multiplicity of library code fragments, wherein the optimized program code has been obtained from compiler-generated program code by searching for program code fragments which correspond, at least in respect of their effect, to respectively one library code fragment, the program code fragments found thereby being replaced by respectively one call of the corresponding library code fragment.

[0005.3]   The sequence in which the steps are itemised in the claims relating to the method is not to be understood as a limitation of the extent of protection. Rather, developments of the invention are provided for in which these steps are performed in a different sequence, or wholly or partially in parallel, or wholly or partially interleaved with one another.

Immediately preceding paragraph [0018] on page 6, please insert the following Heading:

--BRIEF DESCRIPTION OF THE DRAWINGS--

Immediately preceding paragraph [0020] on page 6, please insert the following Heading:

-- DETAILED DESCRIPTION OF EXEMPLARY EMBODIMENTS --

Please insert the following new paragraph [0032] immediately following paragraph [0031] on page 11 of the specification as filed:

[0032]   The particulars contained in the above description of sample embodiments should not be construed as limitations of the scope of the invention, but rather as exemplifications of preferred embodiments thereof. Accordingly, the scope of the invention should be determined not by the embodiments illustrated, but by the appended claims and their legal equivalents.

Please insert the following line immediately following new paragraph [0032] on page 11:

What is claimed is: